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RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/950,939A
Source: 1Fwo
Date Processed by STIC: 4/1/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
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Revised 10/08/03



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004
TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

pp 2-4

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Niles, Edward
5 <120> TITLE OF INVENTION: Novel Inhibitors of Poxvirus Replication
7 <130> FILE REFERENCE: 11520.0333
9 <140> CURRENT APPLICATION NUMBER: US 10/750,939A
10 <141> CURRENT FILING DATE: 2004-01-02
12 <150> PRIOR APPLICATION NUMBER: US/60/437,945
13 <151> PRIOR FILING DATE: 2003-01-02
15 <160> NUMBER OF SEQ ID NOS: 20
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 7
19 <212> TYPE: RNA
20 <213> ORGANISM: Artificial Sequence
22 <220> FEATURE:
23 <221> NAME/KEY: unsure
24 <222> LOCATION: 6
25 <223> OTHER INFORMATION: pox virus; n is g,a,u or c
27 <400> SEQUENCE: 1
W--> 28 uuuuuuu 7
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 7
32 <212> TYPE: DNA
33 <213> ORGANISM: artificial sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: nascent pox virus termination signal
38 <400> SEQUENCE: 2
39 ttttttt 7
42 <210> SEQ ID NO: 3
43 <211> LENGTH: 22
44 <212> TYPE: RNA
45 <213> ORGANISM: artificial sequence
47 <220> FEATURE:
48 <221> NAME/KEY: unsure
49 <222> LOCATION: 14
50 <223> OTHER INFORMATION: U5NU-22-mer oligo; n is g,a,u or c
52 <400> SEQUENCE: 3
W--> 53 gggccggcuu uuunuuugcg uu 22
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 22
58 <212> TYPE: RNA
59 <213> ORGANISM: artificial sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: mutant- 22-mer oligo
64 <400> SEQUENCE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004
TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

65 gggccggcaa uuauuaugcg uu 22
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 36
70 <212> TYPE: RNA
71 <213> ORGANISM: artificial sequence
73 <220> FEATURE:
74 <221> NAME/KEY: unsure
75 <222> LOCATION: 23
76 <223> OTHER INFORMATION: pGEM-U5NU-36-mer oligo n is g,a,u or c
78 <400> SEQUENCE: 5

W--> 79 gggcgaaauug ggcggcuuuu uuuuuugcgu ugaaauu 36

82 <210> SEQ ID NO: 6
83 <211> LENGTH: 36
84 <212> TYPE: RNA
85 <213> ORGANISM: artificial sequence
87 <220> FEATURE:

W--> 88 <221> NAME/KEY:

89 <222> LOCATION:
90 <223> OTHER INFORMATION: pGEM-Br-U5NU-36-mer; uracils at 8,9,18-26, 30, 31, 35 and
91 36 are brominated
93 <400> SEQUENCE: 6

94 gggcgaaauug ggcggcuuuu uuuuuugcgu ugaaauu 36

96 <210> SEQ ID NO: 7

97 <211> LENGTH: 27
98 <212> TYPE: DNA
99 <213> ORGANISM: artificial sequence

101 <220> FEATURE:

102 <223> OTHER INFORMATION: transcription template plasmid oligo

104 <400> SEQUENCE: 7

105 aattggccg gcttttttt tgcgttg 27

108 <210> SEQ ID NO: 8

109 <211> LENGTH: 22

110 <212> TYPE: DNA

111 <213> ORGANISM: artificial sequence

113 <220> FEATURE:

W--> 114 <221> NAME/KEY:

115 <222> LOCATION:
116 <223> OTHER INFORMATION: dU5NdU oligo; 9-17 is deoxyuracil

118 <400> SEQUENCE: 8

119 gggccggcuu uuuuuuuugcg uu 22

122 <210> SEQ ID NO: 9

123 <211> LENGTH: 22

124 <212> TYPE: RNA

125 <213> ORGANISM: artificial sequence

127 <220> FEATURE:

W--> 128 <221> NAME/KEY:

129 <222> LOCATION:

130 <223> OTHER INFORMATION: BrdU5NdU oligo; 19-17 is brominated deoxyuracil

132 <400> SEQUENCE: 9

9-17 (see p. 3)

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

133 gggccggauu uuuuuuuugcg uu 22
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 22
137 <212> TYPE: DNA
138 <213> ORGANISM: artificial sequence
140 <220> FEATURE:

W--> 141 <221> NAME/KEY:

142 <222> LOCATION:
143 <223> OTHER INFORMATION: T5NT
145 <400> SEQUENCE: 10
146 gggccggctt ttttttgcg uu 22
149 <210> SEQ ID NO: 11
150 <211> LENGTH: 22
151 <212> TYPE: DNA
152 <213> ORGANISM: artificial sequence
154 <220> FEATURE:

W--> 155 <221> NAME/KEY:

156 <222> LOCATION:
157 <223> OTHER INFORMATION: mutant T5NT
159 <400> SEQUENCE: 11
160 gggccggcaa ttattatgcg tt 22
162 <210> SEQ ID NO: 12
163 <211> LENGTH: 17
164 <212> TYPE: RNA
165 <213> ORGANISM: artificial sequence
167 <220> FEATURE:
168 <221> NAME/KEY: unsure
169 <222> LOCATION: 10
170 <223> OTHER INFORMATION: U5NU 17-mer oligo; n is a,g,u or c
172 <400> SEQUENCE: 12

W--> 173 cggcuuuuuuu uuugcgu 17

175 <210> SEQ ID NO: 13
176 <211> LENGTH: 13
177 <212> TYPE: RNA
178 <213> ORGANISM: artificial sequence
180 <220> FEATURE:
181 <221> NAME/KEY: unsure
182 <222> LOCATION: 8
183 <223> OTHER INFORMATION: U5NU-13-mer oligo; n is a,g, u or c
185 <400> SEQUENCE: 13

W--> 186 gcuuuuuuu ugc 13

189 <210> SEQ ID NO: 14
190 <211> LENGTH: 9
191 <212> TYPE: RNA
192 <213> ORGANISM: artificial sequence
194 <220> FEATURE:
195 <221> NAME/KEY: unsure
196 <222> LOCATION: 6 n is at location 6; u is at location 7 (see p.4)
197 <223> OTHER INFORMATION: U5NU-9-mer oligo; n is a,g,u or c

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

199 <400> SEQUENCE: 14
N--> 200 ~~uuuuuuuuuu~~ 9
203 <210> SEQ ID NO: 15
204 <211> LENGTH: 7
205 <212> TYPE: RNA
206 <213> ORGANISM: artificial sequence
208 <220> FEATURE:
209 <221> NAME/KEY: unsure
210 <222> LOCATION: 6
211 <223> OTHER INFORMATION: U5NU-7-mer oligo; n is a,g,u or c
213 <400> SEQUENCE: 15
W--> 214 ~~uuuuuuu~~ 7
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 7
219 <212> TYPE: RNA
220 <213> ORGANISM: artificial sequence
222 <220> FEATURE:
W--> 223 <221> NAME/KEY:
224 <222> LOCATION:
225 <223> OTHER INFORMATION: mutant 7-mer
227 <400> SEQUENCE: 16
228 ~~uuuuuuau~~ 7
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 22
232 <212> TYPE: DNA
233 <213> ORGANISM: artificial sequence
235 <220> FEATURE:
236 <221> NAME/KEY: unsure
237 <222> LOCATION: 14
238 <223> OTHER INFORMATION: DNA-U9-DNA oligo; n is g,a,u or c; 1-8 and 18-22 are DNA
240 <400> SEQUENCE: 17
W--> 241 ~~ggccggcuu uuuuuuugcg uu~~ 22
243 <210> SEQ ID NO: 18
244 <211> LENGTH: 22
245 <212> TYPE: RNA
246 <213> ORGANISM: artificial sequence
248 <220> FEATURE:
249 <221> NAME/KEY: unsure
250 <222> LOCATION: 14
251 <223> OTHER INFORMATION: 2-prime-O-Me-RNA-PT-U9-2-prime-O-Me-PT-RNA oligo; n is g,a,u
or c; 1-8 and 18-22 are 2-prime-O methylated; 1-8 and 17-22 have phosphorthiol bonds
252 and 18-22 are 2-prime-O methylated; 1-8 and 17-22 have phosphorthiol bonds
254 <400> SEQUENCE: 18
W--> 255 ~~ggccggcuu uuuuuuugcg uu~~ 22
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 22
259 <212> TYPE: DNA
260 <213> ORGANISM: artificial sequence
262 <220> FEATURE:
263 <221> NAME/KEY: unsure

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004
TIME: 14:05:27

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

264 <222> LOCATION: 14
265 <223> OTHER INFORMATION: PT-DNA-U9-PT-DNA oligo; n is g,a,u or c; 1-8 and 18-22
266 are phosphorthiols; 9-17 are RNA

268 <400> SEQUENCE: 19

W--> 269 gggccggccuu uuunuuugcg uu 22

271 <210> SEQ ID NO: 20

272 <211> LENGTH: 7

273 <212> TYPE: RNA

274 <213> ORGANISM: artificial sequence

276 <220> FEATURE:

277 <223> OTHER INFORMATION: U5AU oligo

279 <400> SEQUENCE: 20

280 uuuaauu 7

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004
TIME: 14:05:28

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6
Seq#:3; N Pos. 14
Seq#:5; N Pos. 23
Seq#:12; N Pos. 10
Seq#:13; N Pos. 6
Seq#:14; N Pos. 6
Seq#:15; N Pos. 6
Seq#:17; N Pos. 14
Seq#:18; N Pos. 14
Seq#:19; N Pos. 14

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/750,939A

DATE: 04/01/2004
TIME: 14:05:28

Input Set : A:\niles non-provisional-US.txt
Output Set: N:\CRF4\04012004\J750939A.raw

L:28 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:88 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:114 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:128 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:155 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:223 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0